

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/02486

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : H04B 1/10; H04B 1/40; H04L 25/00 US CL : 455/414.2, 456, 412, 466 According to International Patent Classification (IPC) or to both national classification and IPC																	
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 455/414.2, 456, 412, 466 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)																	
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 6,560,456 B1 (LOHTIA et al) 06 May 2003 (06 05 2003), column 2-3, lines 1-67.</td> <td>1-18</td> </tr> <tr> <td>Y</td> <td></td> <td>19-22</td> </tr> <tr> <td>Y</td> <td>US 6,505,046 B1 (BAKER) 07 January 2003 (07 01 2003), column 2, lines 9-67; column 3-4, lines 1-67</td> <td>19-22</td> </tr> <tr> <td>X</td> <td>US 6,798,358 B2 (JOYCE et al) 28 September 2004 (28 09 2004) column 2, lines 48-67; column 3, lines 1-51; column 4, lines 1-56</td> <td>23-36</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6,560,456 B1 (LOHTIA et al) 06 May 2003 (06 05 2003), column 2-3, lines 1-67.	1-18	Y		19-22	Y	US 6,505,046 B1 (BAKER) 07 January 2003 (07 01 2003), column 2, lines 9-67; column 3-4, lines 1-67	19-22	X	US 6,798,358 B2 (JOYCE et al) 28 September 2004 (28 09 2004) column 2, lines 48-67; column 3, lines 1-51; column 4, lines 1-56	23-36
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																	
* Special categories of cited documents: <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"B" earlier application or patent published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed						
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Date of the actual completion of the international search 04 June 2005 (04.06.2005)		Date of mailing of the international search report 18 JUL 2005															
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